

# BerkeleyHaas

## MBA FOR EXECUTIVES

### **EMBA Standards and Expectations for Term 1 Incoming Students**

All Haas MBA students are expected to have basic quantitative skills and the ability to use Excel to analyze quantitative information.

Specifically, here are the standards and expectations for your Term 1 courses.

#### **For Economics for Business Decision Making (Microeconomics) and Financial Accounting:**

- Solving equations – quadratic, simultaneous, two unknowns
- Linear equations and graphing
- Simple derivatives, including derivatives of quadratic equations
- Probability and probabilistic events
- Discounting

#### **For Data Analysis for Management (statistics):**

- Describing categorical and numerical data
  - Mean, median, variance, standard deviation
  - Distributions, histograms, boxplots
  - Scatterplots, correlation, lurking variables
- Probability
  - Conditional probability, law of large numbers, Bayes' rule
  - Random variables, expected values, independence
  - Association between random variables and covariance
- Normal probability model
  - Central limit theorem, sums of independent random variables
  - Using a normal table, standardizing, z-scores

#### **For Excel:**

- Data manipulation
- Formulas and functions
- Graphing
- Formatting data and spreadsheets